

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1318682

Luminaire Tested: LDSQA3D20R409830D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

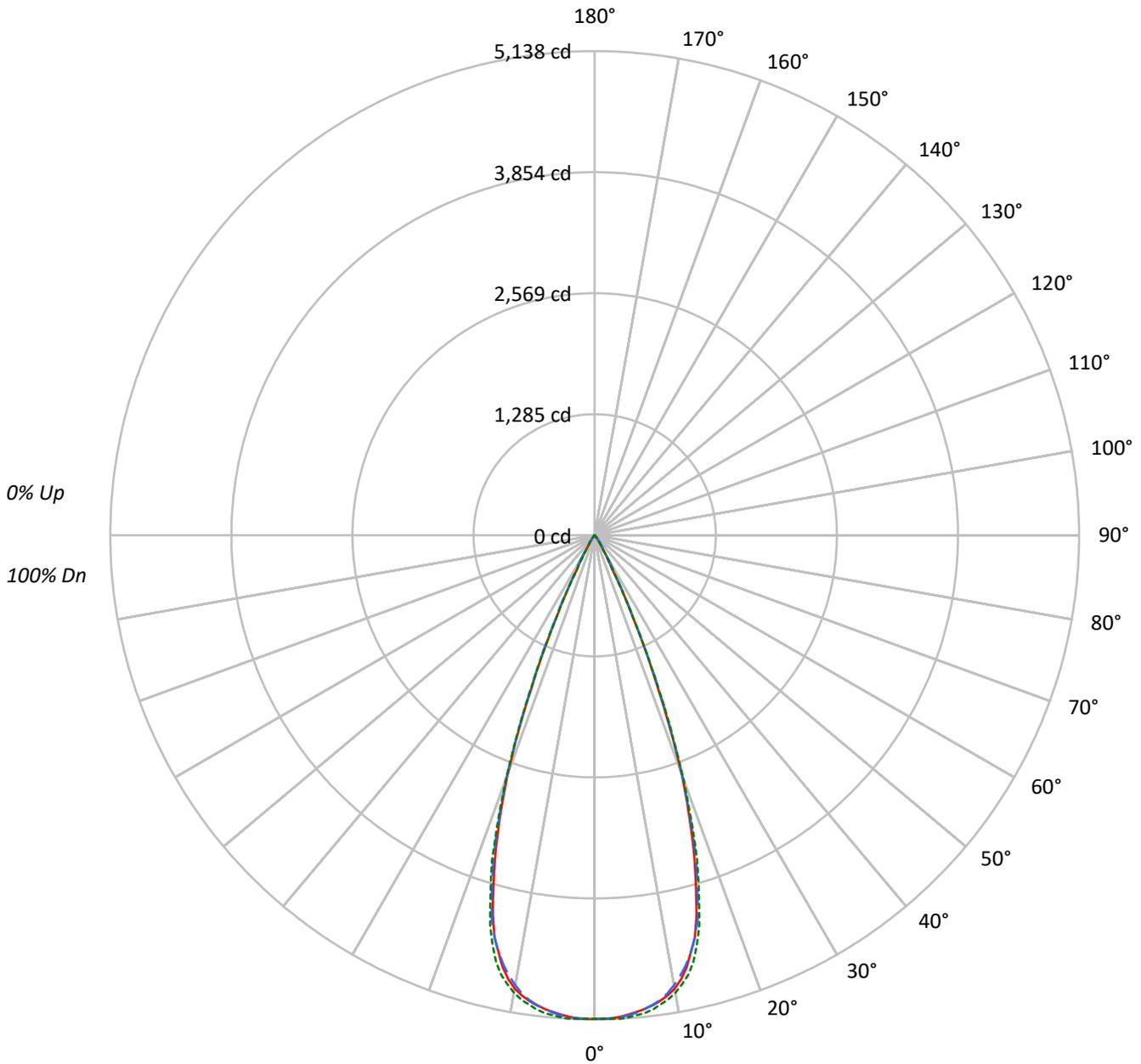
Test Method: LM-79-2019  
Report Number: P1318682  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R409830D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2172.0 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 27.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	883847	883847	883847
5°	877974	879305	884059
10°	854216	847798	861946
15°	744269	751900	763615
20°	495760	498271	503036
25°	180240	185751	181114
30°	38262	51327	38262
35°	13477	22791	12846
40°	4811	7217	4811
45°	1120	2971	1120
50°	831	1232	831
55°	931	931	931
60°	1068	1068	1068
65°	611	1263	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2971 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	479.5	22.1
10°-20°	1117.5	51.5
20°-30°	502.9	23.2
30°-40°	57.2	2.6
40°-50°	8.2	0.4
50°-60°	2.8	0.1
60°-70°	2.4	0.1
70°-80°	1.4	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2100.0	96.7
0°-40°	2157.2	99.3
0°-60°	2168.3	99.8
0°-90°	2172.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2172.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5132	5132	5132	5132	5132	
5°	5078	5072	5086	5109	5114	479
15°	4174	4185	4217	4251	4283	1109
25°	948	955	978	978	953	491
35°	64	72	108	69	61	48
45°	5	8	12	8	5	6
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5132.0	5132.0	5132.0	5132.0	5132.0
1°	5135.0	5130.5	5128.9	5138.1	5130.5
2°	5130.5	5127.4	5128.9	5138.1	5132.0
3°	5116.7	5118.2	5122.8	5139.6	5138.1
4°	5099.9	5098.4	5107.5	5128.9	5128.9
5°	5078.5	5072.4	5086.2	5109.1	5113.7
6°	5054.1	5046.5	5057.1	5086.2	5096.9
7°	5026.6	5011.3	5020.5	5055.6	5069.4
8°	4989.9	4970.1	4980.8	5015.9	5026.6
9°	4944.1	4913.6	4922.7	4965.5	4986.9
10°	4884.6	4846.4	4847.9	4895.2	4928.8
11°	4800.5	4757.8	4759.3	4818.9	4854.0
12°	4689.0	4650.9	4658.5	4713.5	4770.0
13°	4537.8	4527.1	4536.3	4595.9	4647.8
14°	4391.2	4380.5	4397.3	4452.3	4476.7
15°	4174.3	4185.0	4217.1	4250.7	4282.8
17.5°	3487.0	3528.2	3566.4	3589.3	3616.8
20°	2705.0	2657.6	2718.7	2691.2	2744.7
22.5°	1745.8	1780.9	1796.2	1780.9	1787.0
25°	948.5	954.6	977.5	977.5	953.1
27.5°	403.2	435.3	464.3	453.6	403.2
30°	192.4	221.5	258.1	223.0	192.4
32.5°	108.4	128.3	166.5	125.2	105.4
35°	64.1	71.8	108.4	68.7	61.1
37.5°	38.2	39.7	59.6	41.2	36.7
40°	21.4	26.0	32.1	26.0	21.4
42.5°	10.7	15.3	19.9	15.3	10.7
45°	4.6	7.6	12.2	7.6	4.6
47.5°	4.6	4.6	7.6	4.6	4.6
50°	3.1	3.1	4.6	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	1.5	3.1	3.1	3.1	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)